

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE ER REGULATORY CONTACT RECORD

Date/Time: June 28, 2005 / 0745 Hrs.

Site Contact(s): Gary J. Carnival, Steven Nesta, Chris Gilbreath
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Regulatory Contact: David Kruchek, Denise Onyskiw
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Agency: CDPH&E

Purpose of Contact: To document an agreement reached on the remediation of subsurface, foundation, and abandoned storm drains at Bldg. 371/374

Discussion

An agreement was reached among Bldg 371 project personnel, RISS Environmental Compliance, RISS Environmental Restoration, and the CDPH&E to remediate the subsurface and foundation drains and an abandoned storm drain at Bldg 371/374 as follows:

1. The subsurface drain running down the center of Bldg 371 was exposed, interrupted, and grouted from an excavation inside the east end of the Bldg 371 sub-basement using the Denver Grout grouting protocol established for the OPWL project. A foam plug was injected at approx. 70' to minimize the amount of water flowing through the pipe and then the remainder of the pipe from the foam plug to the pipe opening was grout filled. The 6' x 6' x 4' excavation was flow filled allowing the flow fill to migrate into the drain line running east out of the excavation under the sub-basement wall.
2. The small manway immediately east of the Bldg 371 foundation was completely filled with grout such that the grout penetrated the openings of the subsurface drains entering the manway from the north and south (which includes the subsurface drain discussed in #1 above), and the opening of the discharge pipe exiting to the east to approx. 2' to 3'. This was performed by Denver Grout and accomplished by locating the manway using GPS coordinates, drilling through the soil and top of the manway, installing casing, and filling the manway through the casing from the existing surface.
3. The large manway which was just inside the east foundation wall of Bldg 374 was completely filled with grout such that the grout penetrated the openings of the drain pipe entering the manway from the small manway referenced in #2 above as well as the opening of the discharge pipe exiting the manway to the south to approx. 2' to 3'. This was also performed by Denver Grout and accomplished by locating the manway using GPS coordinates, drilling through the soil and top of the manway, installing casing, and filling the manway through the casing from the existing surface.

ADMIN RECORD

4. The 8" north and 10" south foundation drains as well as the abandoned 10" corrugated metal storm drain and abandoned 10" foundation drain located on the south side of Bldgs 371/374 was remediated by excavating to expose the pipes, a 4' to 6' section of the pipes as well as 4' to 6' of the pipe bedding was removed, the pipe ends were exposed as best as possible since the depth of the excavation was approx. 24' deep, and the excavation was filled to a minimum of 2' above the pipe with Flofill such that the Flofill penetrated and sealed the pipe openings.

5. The three locations where the north and south foundation drains as well as the abandoned storm drain discharged into Interceptor Trench 2 on the east side of Bldg 374 were located, excavated back to a minimum of 4' below final grade, and grouted using the Denver Grout grouting protocol established for the OPWL project. All three of these lines were grouted to a minimum of 65'.

6. The abandoned foundation drain which terminated on the south hillside approx. 150' west of the north/south outfall into Interceptor Trench 2 and approx. 25' north of planned east/west outfall into Interceptor Trench 2 (depth of outfall at this location is approx. 4' to 6') was located using GPS coordinates and excavated to a depth of 24'. A 6' section of pipe was removed, the pipe bedding was disrupted, and the excavation was backfilled per agreement with Denise Onyskiw-CDPH&E, Don Rack-DOE-RFPO, and Steve Nesta-KH/RISS

Contact Record Prepared By: Gary J. Carnival

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